

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|------------------|
| L1 | 145 | \$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma same ("Ni" or nickel)) and (inner or outer or primary or secondary) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/27 17:08 |
| L2 | 40 | L1 and (graded or gradient) | US-PGPUB; USPAT; USOCR; FPRS | OR | ON | 2007/01/27 17:08 |
| L3 | 13 | \$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma adj2 ("Ni" or nickel)) and (inner or outer or primary or secondary) and (percent or "%") and ("Al" or aluminum) and ("Ni" or nickel) and ("Cr" or Chromium) and (Cobalt or "Co") and ("Ti" or titanium or "Sc" or scandium) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/27 17:08 |
| L4 | 6 | L3 and L2 | US-PGPUB; USPAT; USOCR; FPRS | OR | OFF | 2007/01/27 17:09 |
| S1 | 42 | 428/632.ccls. and \$CrAl\$ and (graded or gradient or increase or decrease)and beta | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/04/12 13:11 |
| S2 | 35 | 428/632.ccls. and \$CrAl\$ and (graded or gradient or increase or decrease)and beta and chromium and cobalt | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/04/12 13:13 |
| S3 | 28 | 428/632.ccls. and \$CrAl\$ and (graded or gradient or increase or decrease)and beta and chromium and cobalt and (oxidation adj2 (resistant or resistant or resistance)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/04/12 13:50 |
| S4 | 670 | (intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/04/12 13:59 |
| S5 | 23 | ((intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3)) and ((beta or "B")near3(NiAl or(nickel adj2 aluminide))) and ("Al" near8 (Percent or "%" or weight or "wt")) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/04/12 14:33 |

EAST Search History

| | | | | | | |
|-----|----|---|----------------------------------|----|-----|------------------|
| S6 | 23 | ((intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3)) and ((beta or "B")near3(NiAl or(nickel adj2 aluminide))) and ("Al" near8 (Percent or "%" or weight or "wt")) and (Ni or Cr or Co or cobalt or Nickel or Chromium) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/04/13 10:22 |
| S7 | 11 | ((intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3)) and ((beta or "B")near3(NiAl or(nickel adj2 aluminide))) and ("Al" near8 (Percent or "%" or weight or "wt")) and (Ni or Cr or Co or cobalt or Nickel or Chromium) and ("Ti" or "Sc") | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/04/13 10:27 |
| S8 | 15 | ((intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3)) and ((beta or "B")near3(NiAl or(nickel adj2 aluminide))) and ("Al" near8 (Percent or "%" or weight or "wt")) and (Ni or Cr or Co or cobalt or Nickel or Chromium) and ("Ti" or "Sc" or titanium or scandium) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/04/13 10:36 |
| S9 | 3 | ((intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3)) and ((beta or "B")near3(NiAl or(nickel adj2 aluminide))) and ("Al" near8 (Percent or "%" or weight or "wt")) and (Ni or Cr or Co or cobalt or Nickel or Chromium) and (("Ti" or titanium) and ("Sc" or scandium)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/04/13 11:38 |
| S10 | 3 | ((intermediate or bond or bonded or outer or inner or first or second) near6 (MCrAlY\$3 or NiCrAlY\$3 or FeCrAlY\$3)) and ((beta or "B")near3(NiAl or(nickel adj2 aluminide))) and ("Al" near8 (Percent or "%" or weight or "wt")) and (Ni or Cr or Co or cobalt or Nickel or Chromium) and ("Sc" or scandium) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/04/13 11:39 |

EAST Search History

| | | | | | | |
|-----|--------|--|--|----|-----|------------------|
| S11 | 0 | 2005/0238907 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/11 09:29 |
| S12 | 0 | (2005/0238907).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/11 09:29 |
| S13 | 0 | (2005/0238907A1).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/11 09:30 |
| S14 | 0 | (2005/0238907A1.bn.).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/11 09:30 |
| S15 | 270925 | "428"/\$.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 11:42 |
| S16 | 16478 | "428"/\$.ccls. and "beta" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 11:42 |
| S17 | 196 | "428"/\$.ccls. and "beta" and (\$CrAl\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 11:43 |
| S18 | 108 | "428"/\$.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 11:44 |
| S19 | 107 | "428"/\$.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 11:45 |

EAST Search History

| | | | | | | |
|-----|-----|---|--|----|----|------------------|
| S20 | 105 | "428"/\$.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 11:46 |
| S21 | 100 | "428"/\$.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 11:48 |
| S22 | 48 | "428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 11:48 |
| S23 | 36 | "428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 13:24 |
| S24 | 22 | 416/241R.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 11:49 |
| S25 | 20 | 416/241R.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Sc" or Scandium or "Ta" or Tantalum).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 11:49 |
| S26 | 32 | "428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Sc" or Scandium or "Ta" or Tantalum).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 11:50 |

EAST Search History

| | | | | | | |
|-----|----|---|--|----|----|------------------|
| S27 | 45 | "428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and coating.clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 13:25 |
| S28 | 46 | "428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and (coating or (protective adj1 layer)).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 14:26 |
| S29 | 38 | "428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and (coating or (protective adj1 layer)) and (inner or outer or first or second or secondary) and layer.clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 17:06 |
| S30 | 49 | "428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 16:35 |
| S31 | 49 | "428"/632.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) | US-PGPUB; USPAT; USOCR; FPRS | OR | ON | 2006/09/13 16:35 |
| S32 | 1 | "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 16:36 |
| S33 | 0 | "beta" and (CrAl) and ("NiAl" or aluminide) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and MCrAlY | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 16:37 |
| S34 | 1 | "beta" and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and MCrAlY | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 16:45 |
| S35 | 0 | 416/241R.ccls. and "beta" and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and \$CrAl\$ | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 16:46 |

EAST Search History

| | | | | | | |
|-----|-----|--|--|----|----|------------------|
| S36 | 44 | 416/241R.ccls. and "beta" and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and \$CrAl\$ | US-PGPUB; USPAT; USOCR; FPRS | OR | ON | 2006/09/13 16:49 |
| S37 | 47 | 416/241R.ccls. and "beta" and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and (\$CrAl\$ or \$NiAl\$) | US-PGPUB; USPAT; USOCR; FPRS | OR | ON | 2006/09/13 16:50 |
| S38 | 32 | 416/241R.ccls. and "beta" and (\$CrAl\$) and ("NiAl" or aluminide) and ("Co" or "Fe" or "Ni" or Cobalt or Nickel or Iron) and ("Al" or Aluminum) and ("Ti" or Titanium or "Sc" or Scandium or "Ta" or Tantalum) and (coating or (protective adj1 layer)) and (inner or outer or first or second or secondary) and layer.clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/13 17:09 |
| S39 | 754 | 428/632.ccls. and substrate | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/24 14:23 |
| S40 | 158 | 428/632.ccls. and substrate and \$CrAlY | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/24 14:23 |
| S41 | 65 | 428/632.ccls. and substrate and \$CrAlY and intermediate | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/24 14:24 |
| S42 | 64 | 428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/24 14:24 |

EAST Search History

| | | | | | | |
|-----|----|--|--|----|----|------------------|
| S43 | 63 | 428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/24 14:25 |
| S44 | 41 | 428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/24 14:26 |
| S45 | 53 | 428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/24 14:26 |
| S46 | 53 | 428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper) and ("Al" or aluminum) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/24 14:27 |
| S47 | 18 | 428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper) and ("Al" or aluminum) and ("wt%" or (weight adj1 percent)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/24 14:27 |
| S48 | 6 | 428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper) and ("Al" or aluminum) and ("wt%" or (weight adj1 percent)) and (beta with phase) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/24 14:28 |
| S49 | 6 | 428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper) and ("Al" or aluminum) and ("wt%" or (weight adj1 percent)) and (beta with phase) and ("Cr" or chromium) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/24 14:29 |

EAST Search History

| | | | | | | |
|-----|------|---|--|----|-----|------------------|
| S50 | 6 | 428/632.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper) and ("Al" or aluminum) and ("wt%" or (weight adj1 percent)) and (beta with phase) and ("Cr" or chromium) and (thick or thickness or thin or thinner) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/24 14:31 |
| S51 | 14 | "428"/\$.ccls. and substrate and \$CrAlY and intermediate and (layer or layers) and (cobalt or "Co" or "Fe" or iron or Nickel or "Ni")and (inner or outer or lower or upper) and ("Al" or aluminum) and ("wt%" or (weight adj1 percent)) and (beta with phase) and ("Cr" or chromium) and (thick or thickness or thin or thinner) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/24 14:30 |
| S52 | 1806 | \$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) | US-PGPUB; USPAT; USOCR; FPRS | OR | OFF | 2007/01/24 18:18 |
| S53 | 207 | \$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma same ("Ni" or nickel)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/24 18:19 |
| S54 | 145 | \$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma same ("Ni" or nickel)) and (inner or outer or primary or secondary) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/24 18:19 |
| S55 | 119 | \$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma same ("Ni" or nickel)) and (inner or outer or primary or secondary) and (percent or "%") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/24 18:20 |

EAST Search History

| | | | | | | |
|-----|----|---|--|----|-----|------------------|
| S56 | 21 | \$CrAlY, and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma adj2 ("Ni" or nickel)) and (inner or outer or primary or secondary) and (percent or "%") and ("Al" or aluminum) and ("Ni" or nickel) and ("Cr" or Chromium) and (Cobalt or "Co") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/25 09:29 |
| S57 | 13 | \$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma adj2 ("Ni" or nickel)) and (inner or outer or primary or secondary) and (percent or "%") and ("Al" or aluminum) and ("Ni" or nickel) and ("Cr" or Chromium) and (Cobalt or "Co") and ("Ti" or titanium or "Sc" or scandium) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/25 11:38 |
| S58 | 9 | \$CrAlY and ("Co" or cobalt or "Fe" or Iron or "Ni" or nickel) and (gamma adj1 ("Ni" or nickel)) and (inner or outer or primary or secondary) and (percent or "%") and ("Al" or aluminum) and ("Ni" or nickel) and ("Cr" or Chromium) and (Cobalt or "Co") and ("Ti" or titanium or "Sc" or scandium) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/25 11:39 |